

INTEROFFICE MEMORANDUM

Date: February 09, 2005
 To: Arthur L. Williams, Director
 From: Arthur Chang, Technical Services Supervisor
 Re: January 2005 FRM PM_{2.5} Monitoring Update Report

This is a report of January 2005 Federal Reference Method (FRM) PM_{2.5} monthly averages, annual averages, 3-year annual design values, and year-to-year comparison data summaries. (These data are subject to further quality assurance and are not final.)

January 2005

Table 1. PM_{2.5} Monthly Data Summary (µg/m³)

	Daily Maximum	Daily Minimum		Monthly
<u>Site Name</u>	<u>Conc. & Date</u>	<u>Conc. & Date</u>	<u>Run Time</u>	<u>Average</u>
Southwick	25.1 (01/30)	4.4 (01/07)	87.1 %	12.6
Wyandotte	21.8 (01/31)	3.7 (01/13)	77.4 %	12.1
Barret	17.8 (01/25)	3.9 (01/13)	90.9 %	11.5
Watson	12.8 (01/16)	5.9 (01/05)	100.0 %	10.8
Overall				12.0

The 24-hour average standard is 65 µg/m³.

Table 2. PM_{2.5} Design Values and Year-to-Date Annual Mean Comparisons

<u>Site Name</u>	Annual Mean(µg/m ³)						Annual Design Values (2000-2002)	Annual Design Values (2001-2003)	Annual Design Values (2002-2004)	Annual Design Values (2003-2005) ³
	2005 Year-To-Date	2004	2003	2002	2001	2000				
Southwick/ <i>Firearms Trn</i> ¹	12.6	14.6	15.4	17.2	17.1/ 18.7 ¹	17.3	N/A	N/A	15.7²	~14.2
Wyandotte	12.1	14.1	15.2	17.5	17.7	16.7	17.3²	16.8²	15.6	~13.8
Barret	11.5	14.0	15.2	16.3	16.9	16.7	16.6	16.1	15.1	~13.5
Watson	10.8	12.7	15.1	15.3	16.3	16.8	16.1	15.5	14.3	~12.8

The annual average standard is 15.0 µg/m³.

¹ *Firearms Training* temporarily replaced Southwick Community Center monitoring during 2001, due to renovation. Twelve quarters of contiguous data are unavailable.

² Design value site for Louisville.

³ Approximate values due to the availability of only one month of 2005 data.